FIG. 1

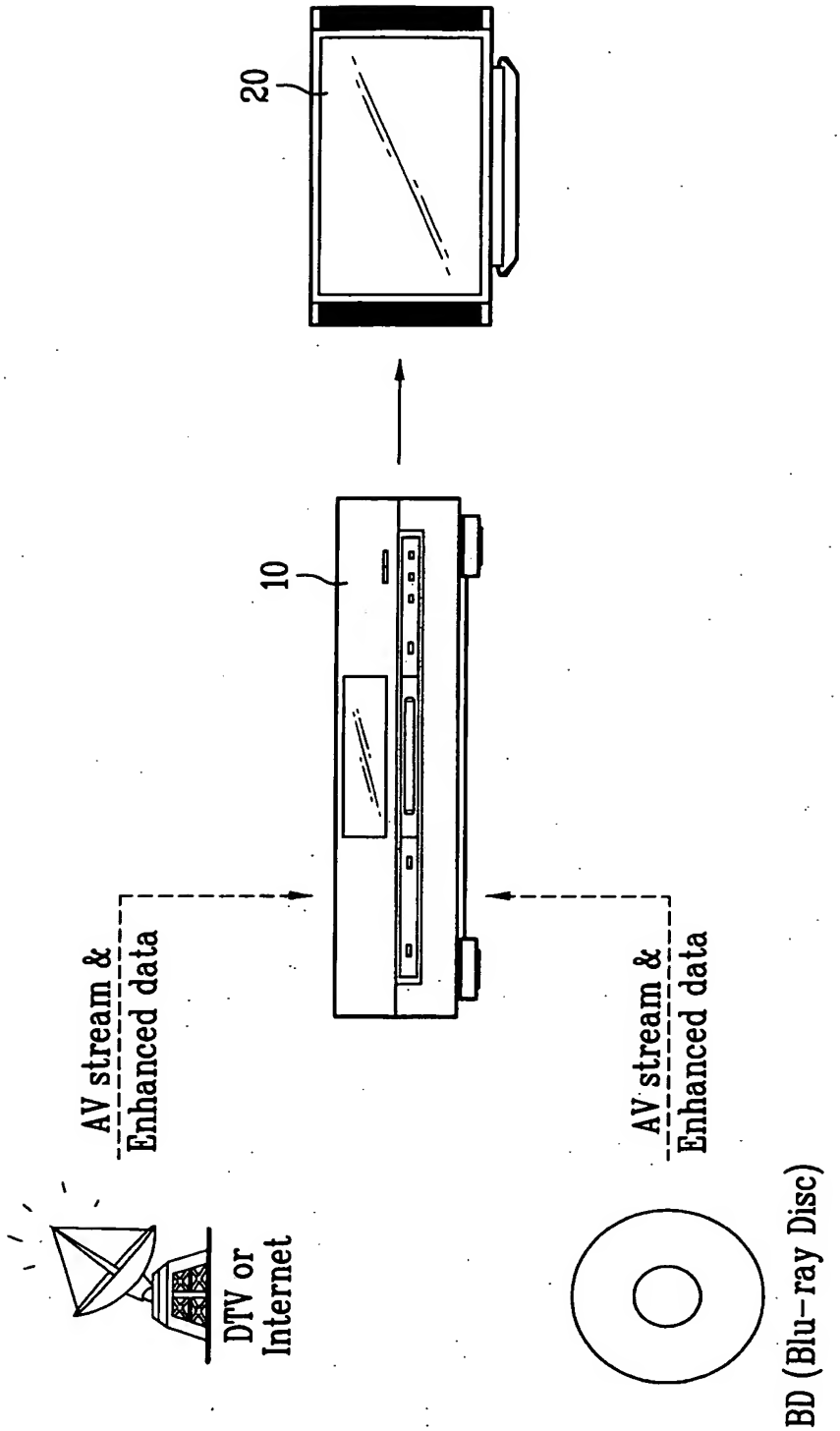

20
10
AV stream &
Enhanced data
AV stream &
Enhanced data
DTV or
Internet
BD (Blu-ray Disc)

FIG. 2

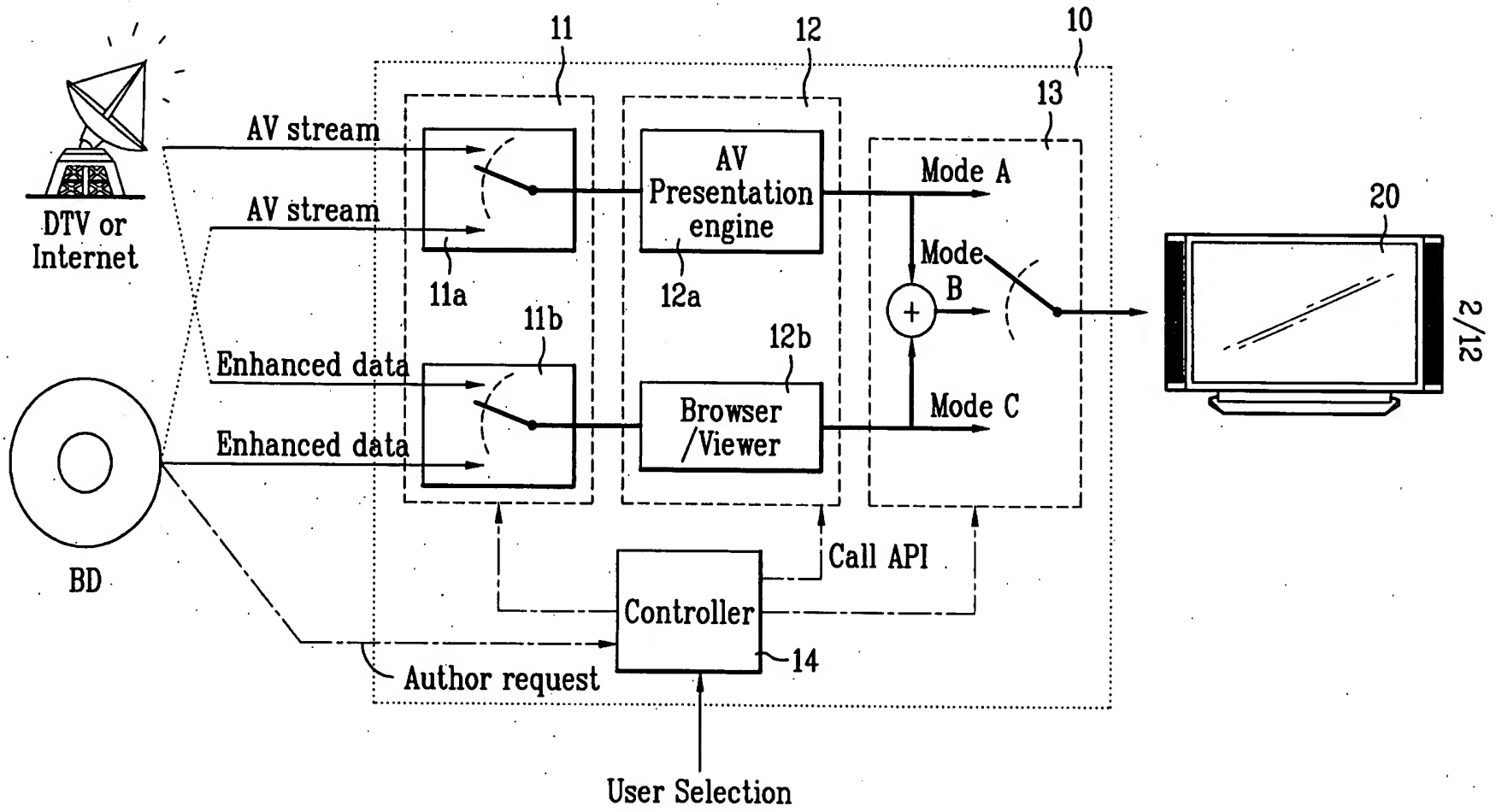

11
12
10
13
AV stream
AV stream
DTV or Internet
AV Presentation engine
Mode A
Mode B
Mode C
20
11a
12a
11b
12b
Enhanced data
Enhanced data
Browser /Viewer
BD
Call API
Controller
14
Author request
User Selection
2/12

FIG. 3

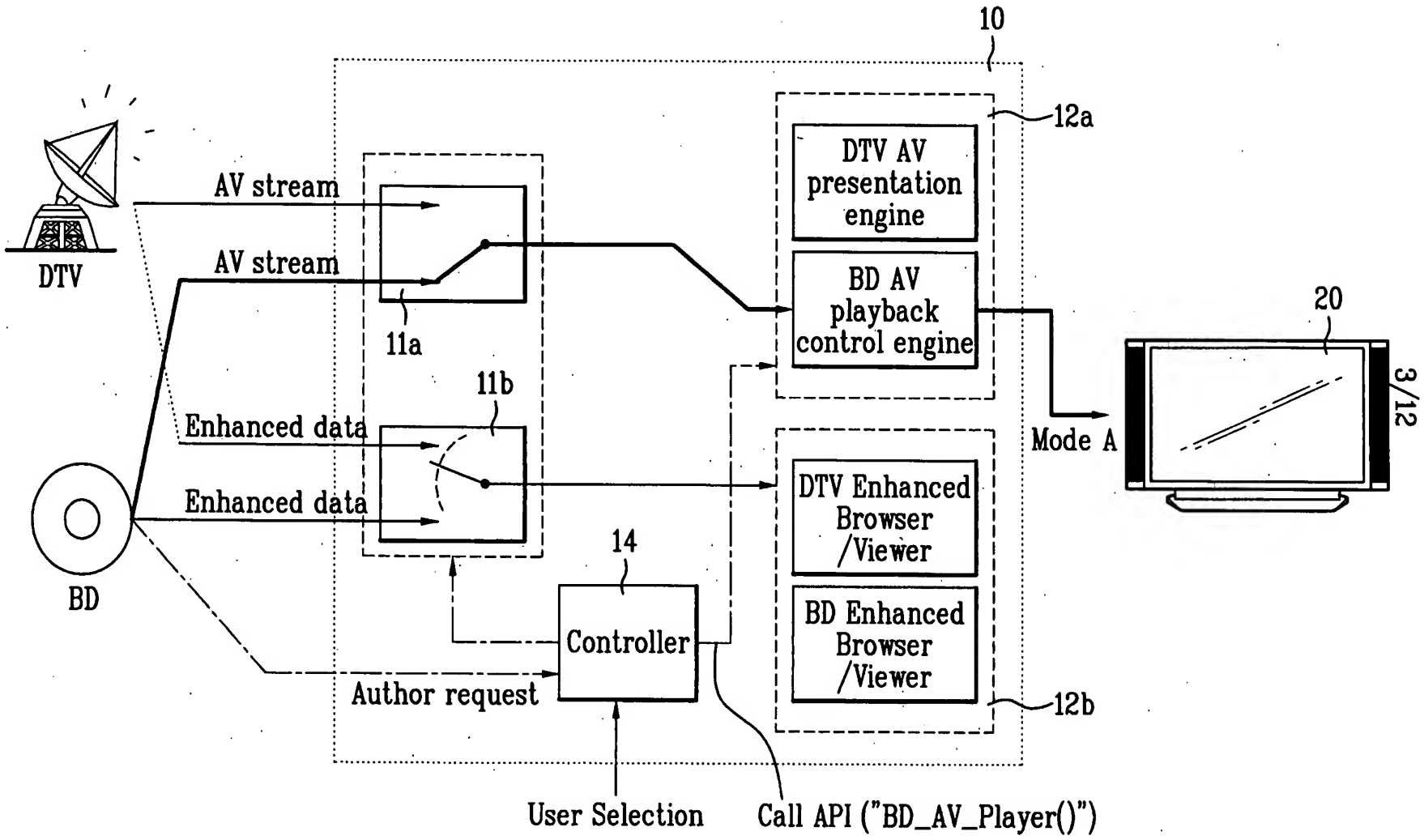

10
12a
DTV AV presentation engine
BD AV playback control engine
AV stream
AV stream
DTV
11a
11b
Enhanced data
Enhanced data
BD
14
Controller
Author request
DTV Enhanced Browser /Viewer
BD Enhanced Browser /Viewer
12b
Mode A
20
3/12
User Selection
Call API ("BD_AV_Player()")

FIG. 4

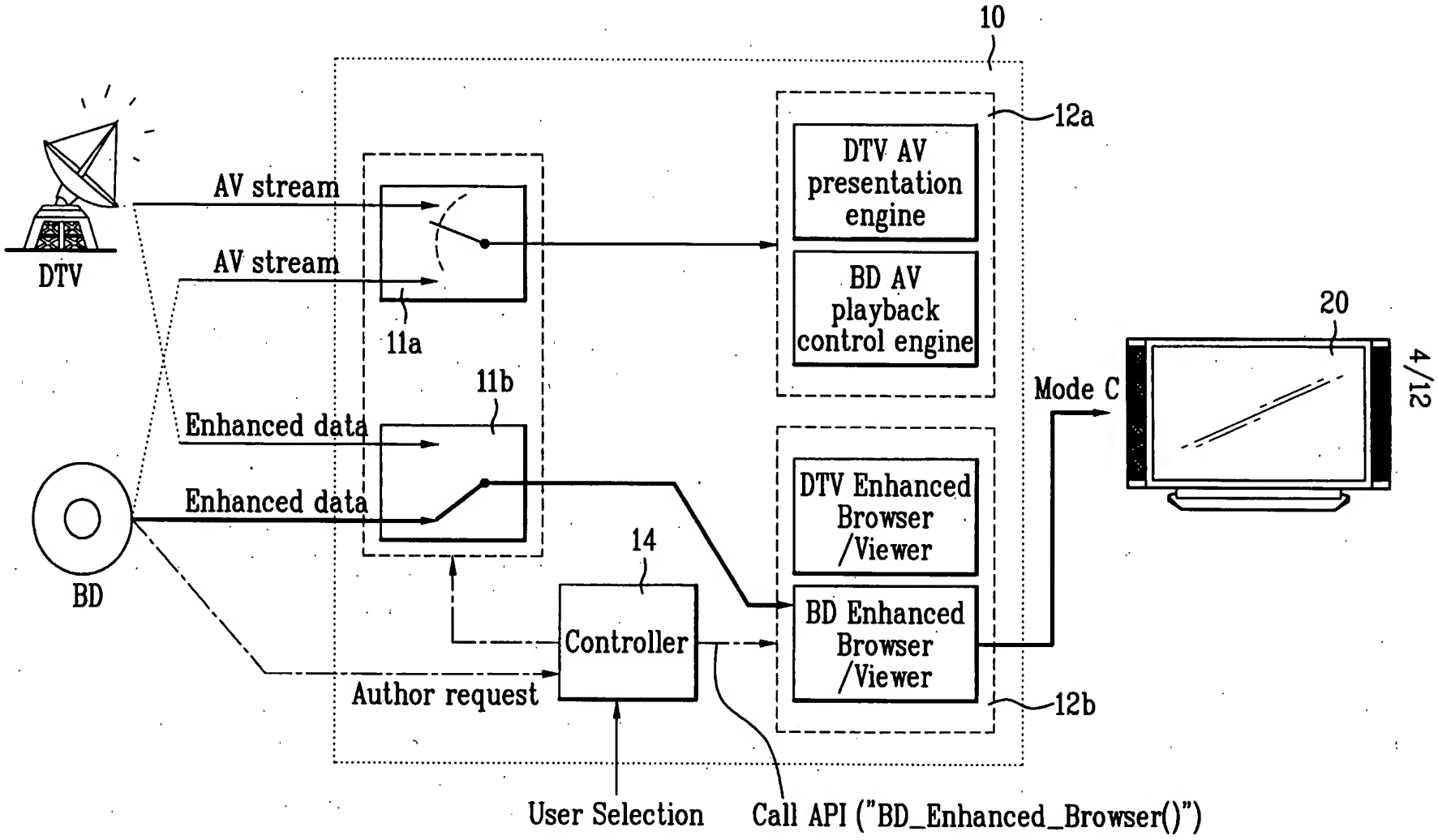

10
12a
DTV AV presentation engine
BD AV playback control engine
AV stream
AV stream
DTV
11a
11b
Enhanced data
Enhanced data
BD
14
Controller
Author request
DTV Enhanced Browser /Viewer
BD Enhanced Browser /Viewer
12b
Mode C
20
4/12
User Selection
Call API ("BD_Enhanced_Browser()")

FIG. 5

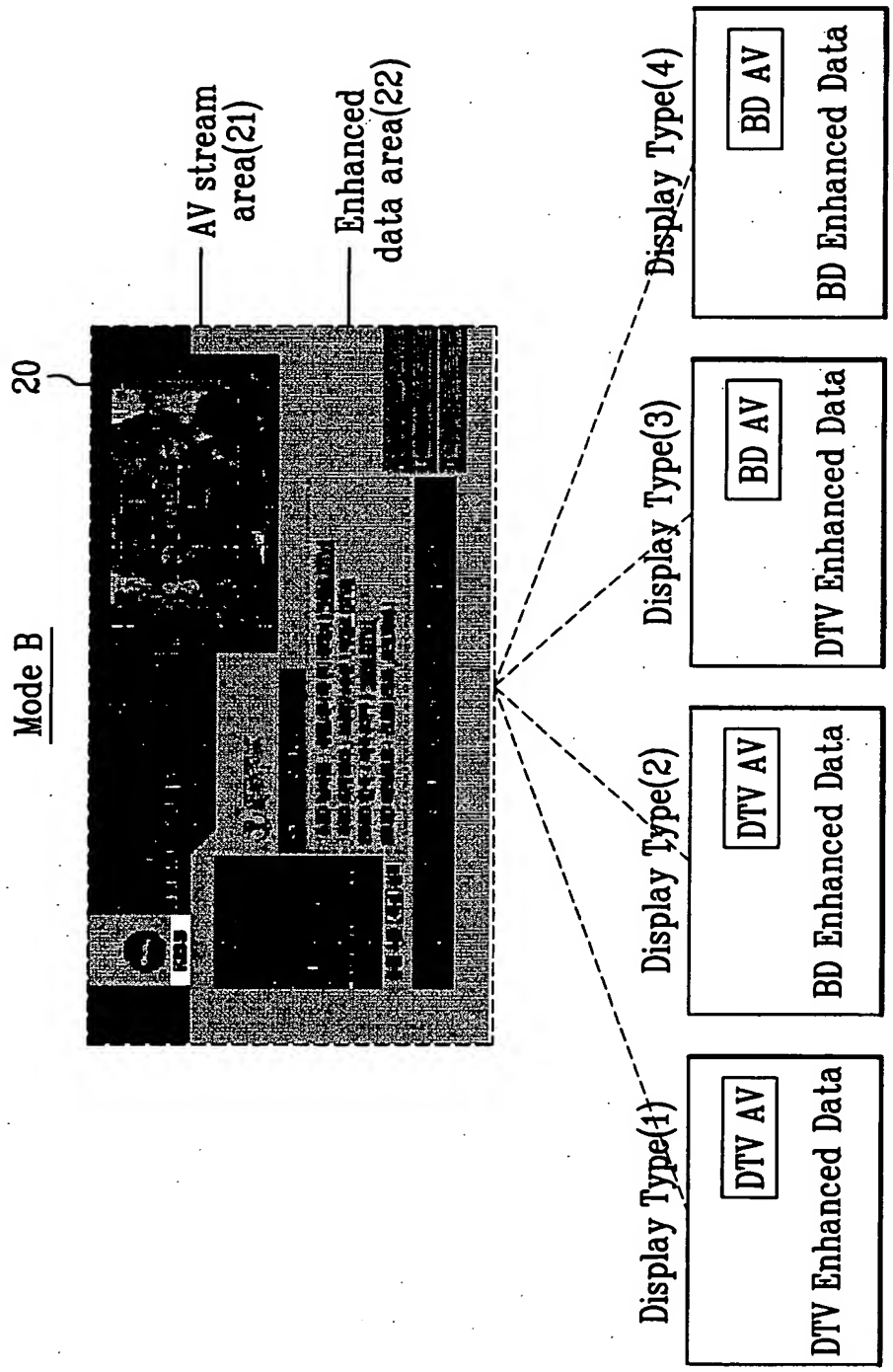

Mode B
20
AV stream area(21)
Enhanced data area(22)
Display Type(1)
DTV AV
DTV Enhanced Data
Display Type(2)
DTV AV
BD Enhanced Data
Display Type(3)
BD AV
DTV Enhanced Data
Display Type(4)
BD AV
BD Enhanced Data

FIG. 6

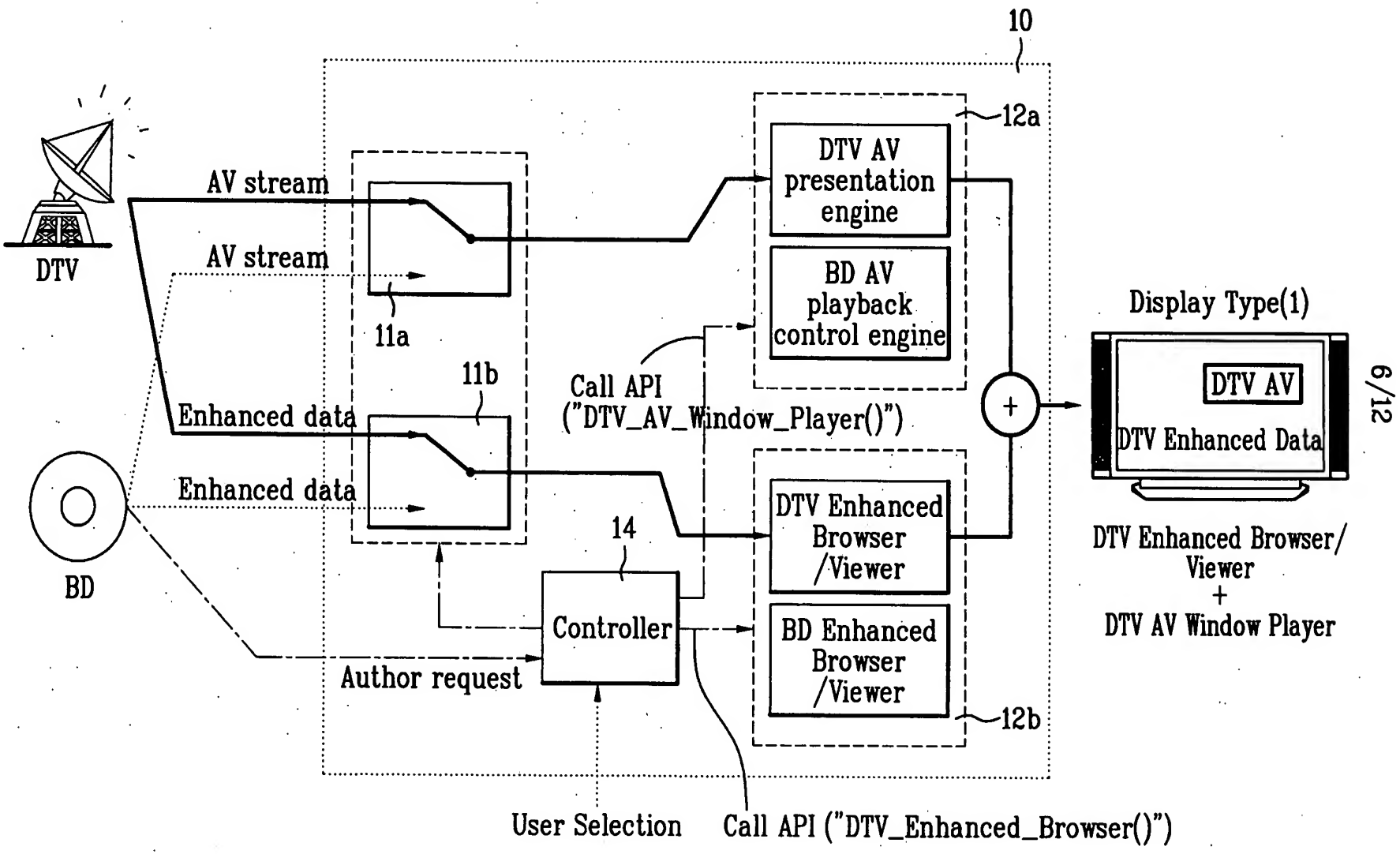

10
DTV
AV stream
AV stream
11a
11b
Enhanced data
Enhanced data
BD
12a
DTV AV presentation engine
BD AV playback control engine
Call API ("DTV_AV_Window_Player()")
DTV Enhanced Browser /Viewer
BD Enhanced Browser /Viewer
12b
14
Controller
Author request
User Selection
Call API ("DTV_Enhanced_Browser()")
Display Type(1)
DTV AV
DTV Enhanced Data
DTV Enhanced Browser/ Viewer + DTV AV Window Player

FIG. 7

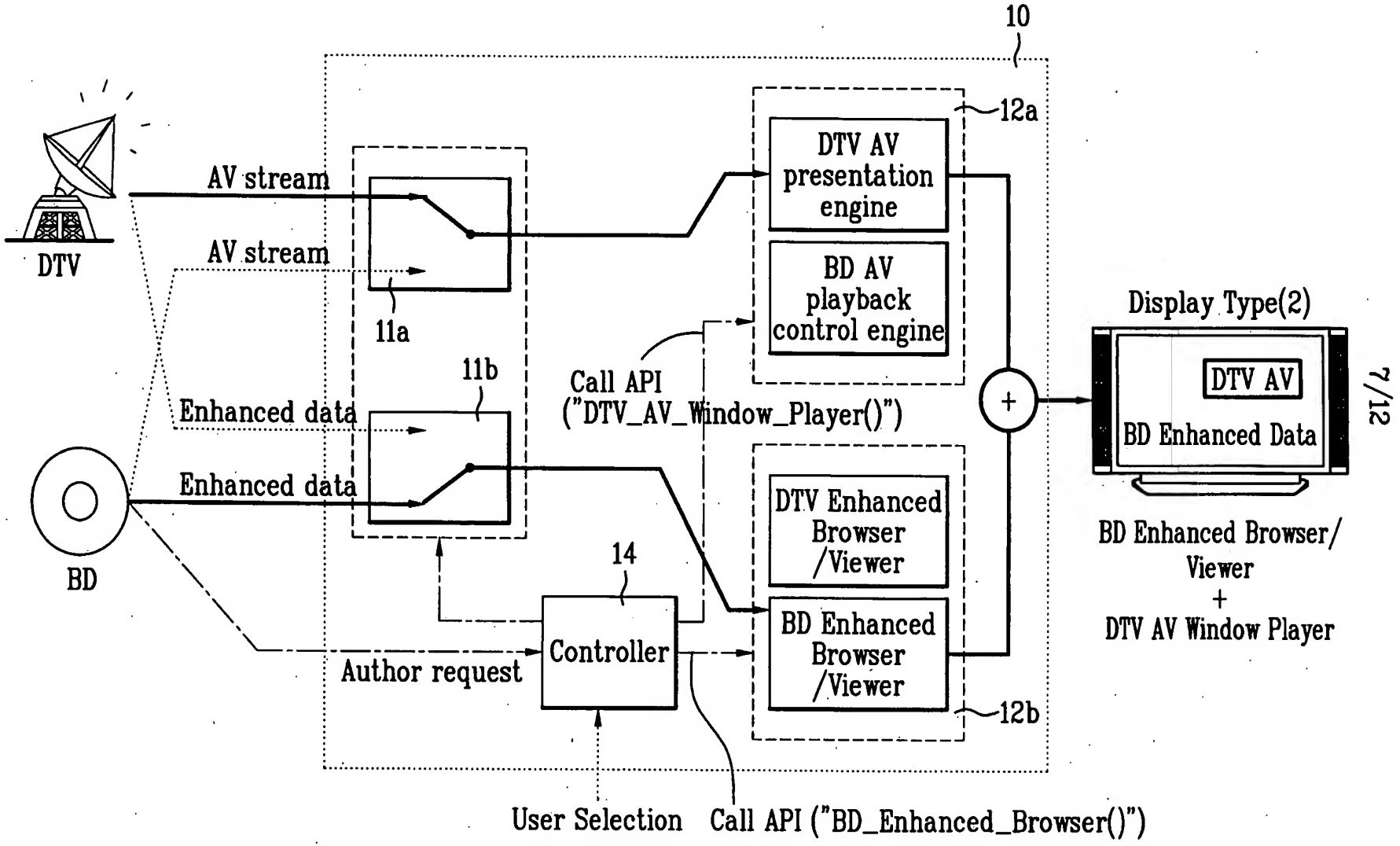

10
12a
DTV AV presentation engine
BD AV playback control engine
AV stream
AV stream
DTV
11a
11b
Enhanced data
Enhanced data
BD
Call API ("DTV_AV_Window_Player()")
Display Type(2)
DTV AV
BD Enhanced Data
7/12
BD Enhanced Browser/ Viewer + DTV AV Window Player
DTV Enhanced Browser /Viewer
BD Enhanced Browser /Viewer
12b
14
Controller
Author request
User Selection
Call API ("BD_Enhanced_Browser()")

FIG. 8

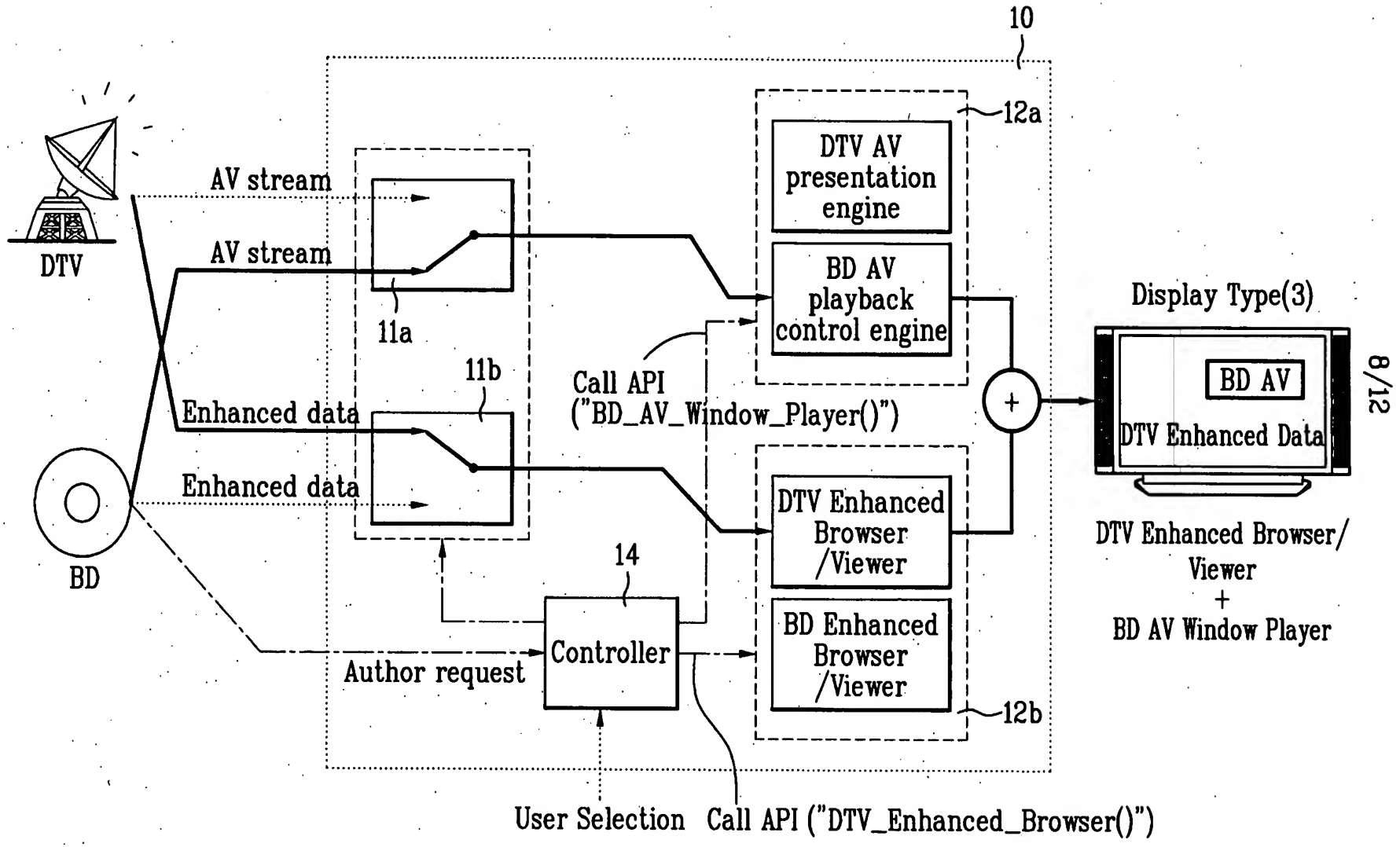

10
12a
DTV AV presentation engine
BD AV playback control engine
AV stream
AV stream
DTV
11a
11b
Enhanced data
Enhanced data
BD
Call API ("BD_AV_Window_Player()")
Display Type(3)
BD AV
DTV Enhanced Data
DTV Enhanced Browser/ Viewer + BD AV Window Player
DTV Enhanced Browser /Viewer
BD Enhanced Browser /Viewer
12b
14
Controller
Author request
User Selection
Call API ("DTV_Enhanced_Browser()")

FIG. 9

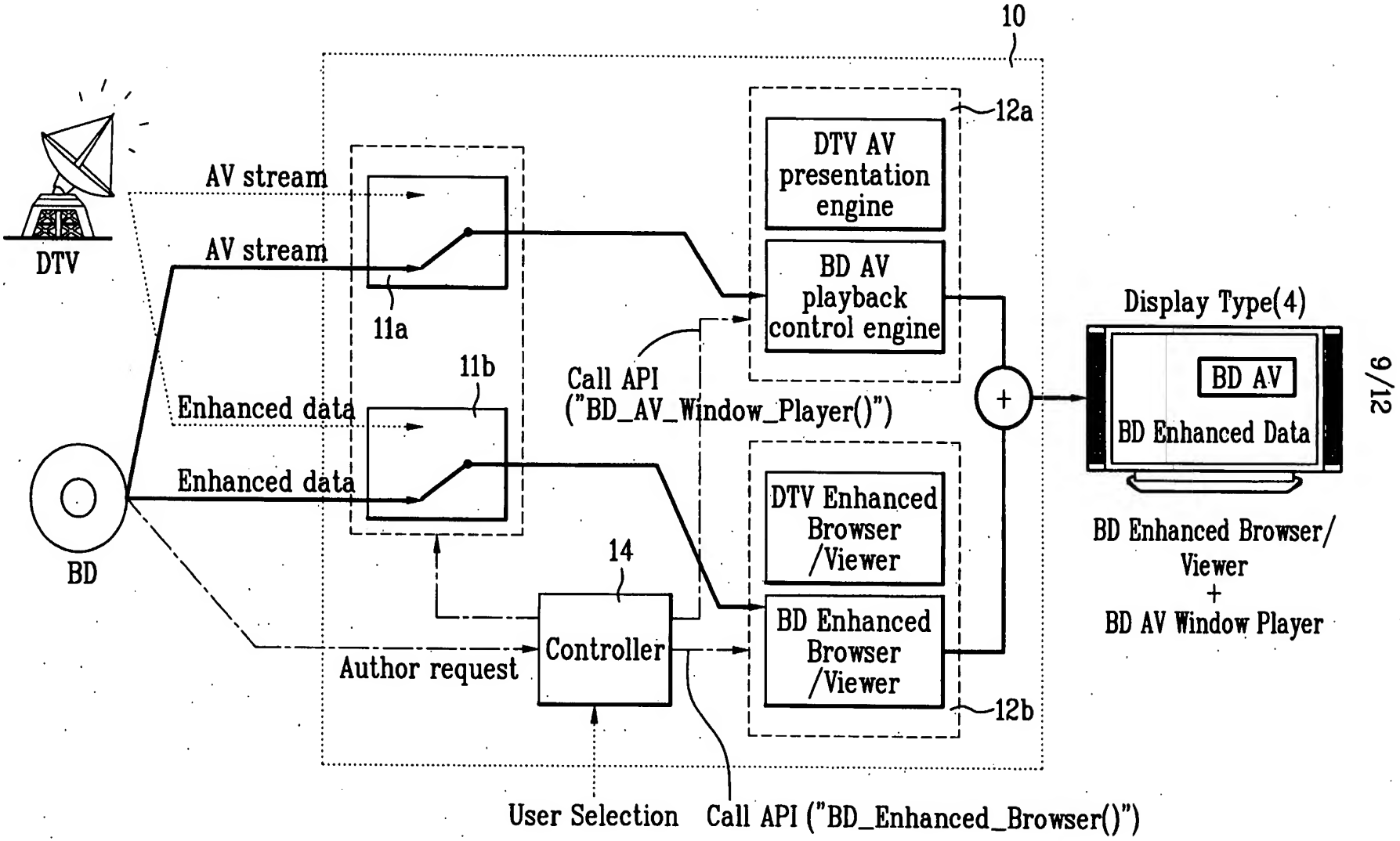

10
DTV
AV stream
AV stream
11a
11b
Enhanced data
Enhanced data
BD
12a
DTV AV presentation engine
BD AV playback control engine
Call API ("BD_AV_Window_Player()")
DTV Enhanced Browser /Viewer
BD Enhanced Browser /Viewer
12b
14
Controller
Author request
User Selection
Call API ("BD_Enhanced_Browser()")
Display Type(4)
BD AV
BD Enhanced Data
BD Enhanced Browser/ Viewer + BD AV Window Player

FIG. 10

Display Mode	Call API
A	BD_AV_Player() DTV_AV_Player()
B	BD_AV_Window_Player() DTV_AV_Window_Player() BD_Enhanced_Browser() DTV_Enhanced_Browser()
C	BD_Enhanced_Browser() DTV_Enhanced_Browser()

FIG. 11

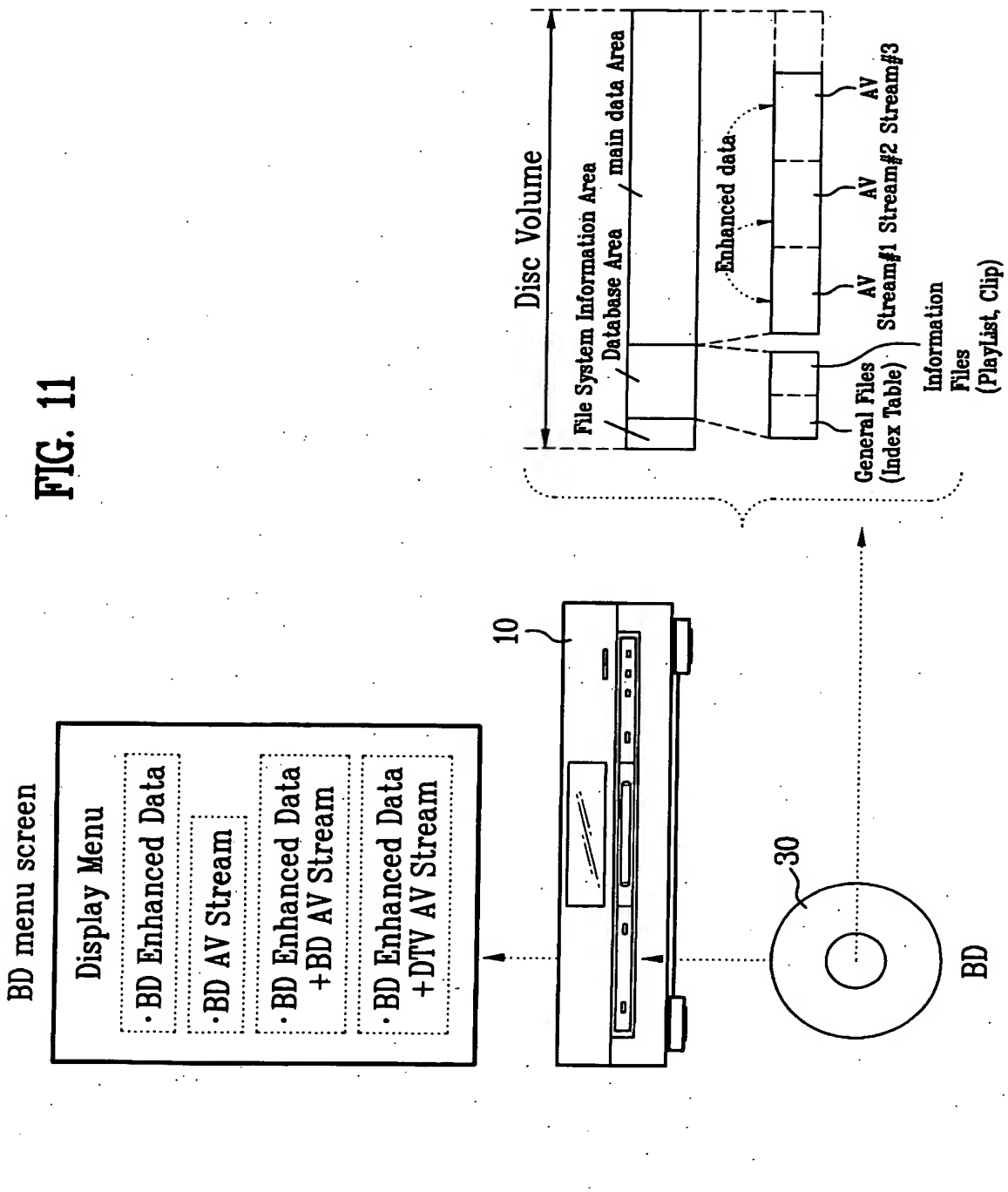
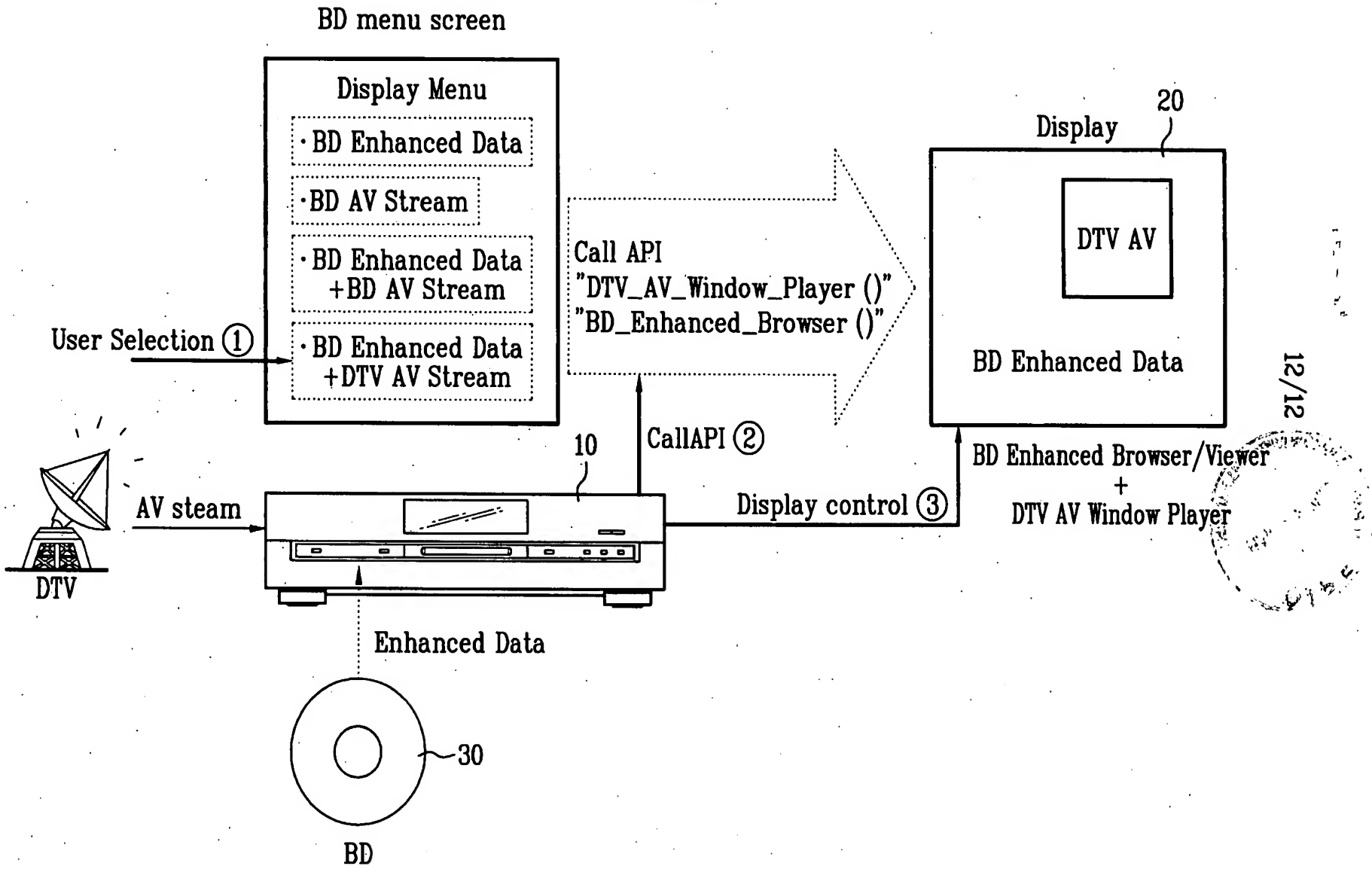

BD menu screen
Display Menu
· BD Enhanced Data
· BD AV Stream
· BD Enhanced Data +BD AV Stream
· BD Enhanced Data +DTV AV Stream
10
30
BD
Disc Volume
File System Information Area
Database Area
main data Area
Enhanced data
AV Stream#1
AV Stream#2
AV Stream#3
General Files (Index Table)
Information Files (PlayList, Clip)

FIG. 12


BD menu screen
Display Menu
·BD Enhanced Data
·BD AV Stream
·BD Enhanced Data +BD AV Stream
·BD Enhanced Data +DTV AV Stream
User Selection ①
Call API
"DTV_AV_Window_Player ()"
"BD_Enhanced_Browser ()"
Display
20
DTV AV
BD Enhanced Data
12/12
CallAPI ②
10
BD Enhanced Browser/Viewer
+
DTV AV Window Player
AV steam
Display control ③
DTV
Enhanced Data
30
BD